

Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A method of storing information related to a file, comprising:

obtaining content and metadata of the file, wherein the file was stored in a first environment;

in a second environment, storing the content and the metadata, wherein the content is associated with the metadata, and wherein the second environment is different from the first environment;

obtaining a location where the file was stored in the first environment; and

in the second environment, storing the location in a location table, wherein the location table includes ~~is associated with~~ at least one of the following, indexed in response to the location: a link to the content; and a link to the metadata.

2. (Previously presented) The method of claim 1, wherein the content is stored in a content hash table, and wherein the metadata is stored in a metadata hash table.

3. (Currently amended) The method of claim 2, wherein storing the content and metadata comprises:

generating a digital signature from the content;

generating a digital signature from the metadata;

storing the content in an entry in the content hash table, wherein the content's digital signature is an index into the content hash table, so that the content's digital signature is the link to the content; and

storing the metadata in an entry in the metadata hash table, wherein the metadata's digital signature is an index into the metadata hash table, so that the metadata's digital signature is the link to the metadata.

4. (Previously presented) The method of claim 3, wherein at least one of the digital signatures is generated using a hashing algorithm.

5. (Previously presented) The method of claim 4, wherein the hashing algorithm is the SHA1 secure hashing algorithm.

6. (Currently amended) The method of claim 3, wherein the entry in the content hash table comprises the content and the a-link to the metadata.

7. (Currently amended) The method of claim 6, wherein the entry in the metadata hash table comprises the metadata and the a-link to the content.

8. (Cancelled).

9. (Currently amended) The method of claim 3-7, wherein the location table is stored in a location hash table, and wherein storing the location comprises:
generating a digital signature from the location; and
storing the location in an entry in the location hash table, wherein the location's
digital signature is an index into the location hash table, so that the location hash table is
indexed in response to the location by indexing with the location's digital signature.

10. (Currently amended) A database for storing components of a file that was stored in a first environment, the database comprising a data processing system readable medium having code embodied within the data processing system readable medium, the code comprising instructions for:

a content hash table in a second environment, wherein an entry in the content hash table includes: content of the file; and at least one link ~~to~~ for metadata associated with the content, wherein a digital signature of the content is an index into the content hash table, and wherein the second environment is different from the first environment;

a metadata hash table in the second environment, wherein an entry in the metadata hash table includes: metadata of the file; and at least one link ~~to~~ for content associated with the metadata, wherein a digital signature of the metadata is an index into the metadata hash table; and

a location hash table in the second environment, wherein an entry in the location hash table includes: a location where the file was stored in the first environment; and ~~at least one link for~~ at least one of the following: a link to content associated with the location; and a link to metadata associated with the location; wherein a digital signature of the location is an index into the location hash table, wherein the content's digital signature is the link to the content, and wherein the metadata's digital signature is the link to the metadata.

11. (Cancelled).

12. (Currently amended) The database of claim 10, wherein an entry in the content hash table further includes at least one link ~~to the~~ for a location associated with the content, wherein the location's digital signature is the link to the location.

13. (Currently amended) The database of claim 12, wherein an entry in the metadata hash table further includes at least one link ~~to the~~ for a location associated with the metadata, wherein the location's digital signature is the link to the location.

14. (Currently amended) A data processing system readable medium having code for storing information related to a file, wherein the code is embodied within the data processing system readable medium, the code comprising instructions for:

obtaining content and metadata of the file, wherein the file was stored in a first environment;

in a second environment, storing the content and the metadata, wherein the content is associated with the metadata, and wherein the second environment is different from the first environment;

obtaining a location where the file was stored in the first environment; and

in the second environment, storing the location in a location table, wherein the location table includes ~~is associated with~~ at least one of the following, indexed in response to the location: a link to the content; and a link to the metadata.

15. (Previously presented) The data processing system medium of claim 14, wherein the content is stored in a content hash table, and wherein the metadata is stored in a metadata hash table.

16. (Currently amended) The data processing system medium of claim 15, wherein storing the content and metadata comprises:

generating a digital signature from the content;

generating a digital signature from the metadata;

storing the content in an entry in the content hash table, wherein the content's digital signature is an index into the content hash table, so that the content's digital signature is the link to the content; and

storing the metadata in an entry in the metadata hash table, wherein the metadata's digital signature is an index into the metadata hash table, so that the metadata's digital signature is the link to the metadata.

17. (Previously presented) The data processing system medium of claim 16, wherein at least one of the digital signatures is generated using a hashing algorithm.

18. (Previously presented) The data processing system medium of claim 17, wherein the hashing algorithm is the SHA1 secure hashing algorithm.

19. (Currently amended) The data processing system medium of claim 16, wherein the entry in the content hash table comprises the content and the a-link to the metadata.

20. (Currently amended) The data processing system medium of claim 19, wherein the entry in the metadata hash table comprises the metadata and the a-link to the content.

21. (Cancelled).

22. (Currently amended) The data processing system medium of claim 16-20, wherein the location table is ~~stored in~~ a location hash table, and wherein storing the location comprises:

generating a digital signature from the location; and
storing the location in an entry in the location hash table, wherein the location's digital signature is an index into the location hash table, so that the location hash table is indexed in response to the location by indexing with the location's digital signature.